

Mineral Industry Surveys

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IRON AND STEEL SCRAP IN NOVEMBER 1999

On a daily basis in November 1999, estimated consumption of iron and steel scrap increased by 3% compared with that of October 1999, according to the U.S. Geological Survey. Compared with October 1999 data, daily average production rose by 4%, net receipts were up by 2%, and stocks at the end of the month dropped slightly. These observations are based upon responses from 63% of the companies surveyed that manufacture pig iron and semifinished steel products, which represent 55% of the total scrap consumption in those sectors, and estimates for non-respondents of this survey.

On a daily average basis, pig iron production rose by 7% while consumption remained unchanged from that of October 1999. Stocks of pig iron at month's end increased by 12% compared with those at the end of October 1999.

Exports of iron and steel scrap for the month of October 1999 fell by 29% compared with those of September 1999. Canada was the leading country of destination, accounting for 31% of the total exports in October 1999, followed by the Republic of Korea with 29% and Mexico with 14%.

Table 7 shows that Los Angeles, CA was the leading U.S. Customs district for tonnage of exports in October 1999, accounting for 23% of the total exports, followed by Pembina, ND, with 9% and Seattle, WA, also with 9%.

Table 10 shows that New Orleans, LA, was the leading Customs district for tonnage of imports in October 1999, accounting for 38% of the total imports, followed by Detroit, MI, with 26% and Chicago, IL, with 16%.

According to the American Iron and Steel Institute (AISI), domestic raw steel production in November 1999 amounted to 8,490,000 metric tons, down by 2% from 8,690,000 tons in October 1999 and up by 21% from 6,990,000 tons in November 1998. Year-to-date production through November 1999 was 88,600,000 tons, down by 2% compared with 90,400,000 tons for the same period 1 year ago. The electric furnace portion of raw steel production for November 1999 was 46%, or about the same as that in October 1999 and up 2% from that in November 1998.

Raw steel capability utilization (AISI data) in November 1999 was 89%, up slightly from that in October 1999 and up by 15% from that in November 1998. Continuous cast steel production in the United States accounted for 96% of total raw steel production in November 1999, or about the same as that in both October 1999 and November 1998. For the year-to-date through November 1999, continuous cast steel production represented 96% of total steel production. This was identical to that for the same period of 1998.

TABLE 1
IRON AND STEEL SCRAP, PIG IRON, AND DIRECT-REDUCED IRON STATISTICS FOR STEEL PRODUCERS 1/ 2/

(Thousand metric tons)

	November 1999			Year to date p/ 3/		
	Integrated steel producers 4/	Electric furnace steel producers 5/	Total for steel producers	Integrated steel producers 4/	Electric furnace steel producers 5/	Total for steel producers
Scrap:						
Receipts from dealers and other sources	840	2,700	3,500	8,700	28,000	37,000
Receipts from other own company plants	W	W	220	W	W	2,000
Production recirculating scrap	700	410	1,100	7,600	4,500	12,000
Production obsolete scrap	12	4	15	120	27	150
Consumption (by type of furnace):						
Blast furnace	(6/)	--	(6/)	(6/)	--	(6/)
Basic oxygen process	W	W	1,400	W	W	15,000
Electric furnace	W	W	3,300	W	W	35,000
Other (including air furnace) 7/	(6/)	--	(6/)	(6/)	--	(6/)
Total consumption	1,500	3,200	4,700	16,000	34,000	50,000
Shipments	170	7	170	1,600	87	1,700
Stocks end of month	2,200	2,300	4,500	XX	XX	XX
Pig iron (includes hot metal):						
Receipts	440	190	630	4,700	1,500	6,200
Production	3,700	--	3,700	40,000	--	40,000
Consumption (by type of furnace):						
Basic oxygen process	W	W	3,800	W	W	41,000
Direct castings 8/	(6/)	--	(6/)	(6/)	--	(6/)
Electric furnace	W	W	210	W	W	1,900
Total consumption	3,900	110	4,100	42,000	1,300	43,000
Shipments	130	(9/)	130	(10/)	(10/)	(10/)
Stocks end of month	W	W	480	XX	XX	XX
Direct-reduced iron: 11/						
Receipts	36	79	110	630	680	1,300
Consumption (by type of furnace):						
Blast furnace	44	--	44	450	--	450
Basic oxygen process	(12/)	--	(12/)	(12/)	(12/)	(12/)
Electric furnace	(10/)	(10/)	(10/)	(10/)	(10/)	(10/)
Total consumption	44	--	44	450	--	450
Shipments	--	--	--	--	W	W
Stocks end of month	W	W	270	XX	XX	XX

p/ Preliminary. W Withheld to avoid disclosing company proprietary data; included in "Total for steel producers" and/or "Total consumption." XX Not applicable.

1/ Data are rounded to two significant digits; may not add to totals shown.

2/ Includes manufacturers of raw steel that also produce steel castings. November 1999 data are based on returns from 63% of monthly respondents, representing 55% of scrap consumption during this month, and estimates for nonrespondents of this survey. Year-to-date data are based on returns from 70% of respondents, representing 59% of scrap consumption and estimates for nonrespondents.

3/ May include revisions to previous months' data.

4/ Includes data for electric furnaces operated by integrated steel producers.

5/ Includes minimill and specialty steel producers; includes data for other furnaces operated by these steel producers.

6/ Withheld to avoid disclosing company proprietary data; included in "Consumption: Basic oxygen process."

7/ Includes vacuum melting furnaces and miscellaneous uses.

8/ Includes ingot molds and stools.

9/ Less than 1/2 unit.

10/ Withheld to avoid disclosing company proprietary data.

11/ Includes direct-reduced iron, hot-briquetted iron, and iron carbide. Domestic production data are included in "Receipts."

12/ Withheld to avoid disclosing company proprietary data; included in "Consumption: Blast furnace."

TABLE 2
RECEIPTS FROM OUTSIDE SOURCES, PRODUCTION, CONSUMPTION, AND STOCKS OF IRON AND STEEL SCRAP, BY GRADE, FOR STEEL PRODUCERS 1/ 2/

(Thousand metric tons)

Item	November 1999				Year to date p/ 3/		
	Receipts of scrap from brokers, dealers, and other outside sources	Production of home scrap (recirculating scrap resulting from current operations)	Consumption of purchased and home scrap 4/	Ending stocks	Receipts of scrap from brokers, dealers, and other outside sources	Production of home scrap (recirculating scrap resulting from current operations)	Consumption of purchased and home scrap 4/
Carbon steel:							
Low-phosphorus plate and punchings	41	--	38	23	340	W	330
Cut structural and plate	310	47	340	280	3,300	610	3,800
No. 1 heavy melting steel	450	320	790	640	4,700	3,400	8,600
No. 2 heavy melting steel	400	38	430	470	4,300	480	4,700
No. 1 and electric furnace bundles	490	W	610	370	5,100	W	6,300
No. 2 and all other bundles	81	W	80	52	800	W	840
Electric furnace 1 foot and under (not bundles)	--	13	W	W	W	130	W
Railroad rails	15	W	18	11	150	W	180
Turnings and borings	160	6	180	100	1,800	56	1,900
Slag scrap	55	130	180	190	590	1,300	1,900
Shredded and fragmentized	660	W	820	470	7,200	W	8,400
No. 1 busheling	390	12	400	250	4,200	130	4,300
Steel cans (Post consumer)	13	--	15	73	W	W	W
All other carbon steel scrap	220	180	390	410	2,200	2,500	4,400
Stainless steel scrap	79	66	140	32	620	400	1,000
Alloy steel scrap	24	39	61	91	220	480	720
Ingot mold and stool scrap	W	W	9	17	W	W	79
Machinery and cupola cast iron	W	W	W	W	W	W	W
Cast iron borings	25	W	22	10	240	W	230
Motor blocks	W	--	W	W	W	--	W
Other iron scrap	22	48	71	W	280	450	760
Other mixed scrap	67	38	98	620	810	360	1,100
Total	3,500	1,100	4,700	4,500	37,000	12,000	50,000

p/ Preliminary. W Withheld to avoid disclosing company proprietary data; included in "Total."

1/ Data are rounded to two significant digits; may not add to totals shown.

2/ Includes manufacturers of raw steel that also produce steel castings.

3/ May include revisions to previous months' data.

4/ Includes recirculating scrap and home-generated obsolete scrap.

TABLE 3
RECEIPTS FROM OUTSIDE SOURCES, PRODUCTION, AND CONSUMPTION OF IRON AND STEEL SCRAP,
BY REGION AND STATE, FOR STEEL PRODUCERS 1/ 2/

(Thousand metric tons)

Region and State	November 1999			Year to date p/ 3/		
	Receipts of scrap from brokers, dealers, and other outside sources	Production of home scrap (recirculating scrap resulting from current operations)	Consumption of purchased and home scrap 4/	Receipts of scrap from brokers, dealers, and other outside sources	Production of home scrap (recirculating scrap resulting from current operations)	Consumption of purchased and home scrap 4/
Mid-Atlantic and New England:						
New Jersey and New York	W	W	W	1,300	43	1,400
Pennsylvania	W	W	W	3,500	2,100	5,900
Total	480	200	690	4,800	2,100	7,300
North Central:						
Illinois	W	W	W	3,000	890	3,900
Indiana	W	W	W	3,100	3,900	7,000
Iowa, Minnesota, Missouri, Nebraska, Wisconsin	200	17	210	2,200	180	2,200
Michigan	180	30	210	1,800	540	2,100
Ohio	520	140	640	5,400	1,700	7,300
Total	1,500	640	2,100	15,000	7,200	22,000
South Atlantic:						
Delaware, Maryland, Virginia, West Virginia	120	68	190	1,300	760	2,000
Florida, Georgia, North Carolina, South Carolina	210	16	240	2,100	160	2,300
Total	330	84	420	3,400	920	4,300
South Central:						
Alabama, Kentucky, Mississippi, Tennessee	360	62	410	3,600	660	4,200
Arkansas, Louisiana, Oklahoma, Texas	570	65	730	6,400	650	7,700
Total	920	130	1,100	9,900	1,300	12,000
Mountain and Pacific:						
Arizona, California, Colorado, Oregon, Utah, Washington	310	56	370	3,400	530	4,100
Grand total	3,500	1,100	4,700	37,000	12,000	50,000

p/ Preliminary. W Withheld to avoid disclosing company proprietary data; included in "Total" and/or "Grand total."

1/ Data are rounded to two significant digits; may not add to totals shown.

2/ Includes manufacturers of raw steel that also produce steel castings.

3/ May include revisions to previous months' data.

4/ Includes recirculating scrap and home-generated obsolete scrap.

TABLE 4
RECEIPTS OF IRON AND STEEL SCRAP, BY REGION AND GRADE, FOR STEEL PRODUCERS 1/ 2/ 3/ 4/

(Thousand metric tons)

Item	November 1999					Year to date p/ 5/				
	Mid-Atlantic and New England	North Central	South Atlantic	South Central	Mountain and Pacific	Mid-Atlantic and New England	North Central	South Atlantic	South Central	Mountain and Pacific
Carbon steel:										
Low-phosphorus plate and punchings	13	18	W	W	--	140	120	W	W	--
Cut structural and plate	54	120	53	58	27	510	1,400	500	580	340
No. 1 heavy melting steel	55	130	34	190	38	540	1,600	380	1,800	350
No. 2 heavy melting steel	14	130	50	150	62	130	1,400	550	1,600	660
No. 1 and electric furnace bundles	40	360	26	48	12	410	3,800	270	520	120
No. 2 and all other bundles	10	35	5	22	10	96	300	45	250	100
Electric furnace 1 foot and under (not bundles)	--	--	--	--	--	--	--	--	W	--
Railroad rails	W	W	(6/)	4	W	W	W	4	40	W
Turnings and borings	35	28	28	66	6	350	360	310	690	67
Slag scrap	11	18	11	15	W	160	170	120	140	W
Shredded and fragmentized	55	230	76	220	85	520	2,300	810	2,600	960
No. 1 busheling	72	180	26	93	11	760	2,000	260	1,100	130
Steel cans (Post consumer)	W	7	W	2	(6/)	W	W	W	W	W
All other carbon steel scrap	23	150	7	34	W	280	1,400	75	350	W
Stainless steel scrap	70	9	--	--	--	520	97	--	--	--
Alloy steel scrap	8	15	--	W	--	81	120	--	W	--
Ingot mold and stool scrap	(6/)	W	--	--	--	W	W	--	--	--
Machinery and cupola cast iron	--	6	--	W	--	W	W	--	W	--
Cast iron borings	W	W	W	9	--	W	W	W	90	--
Motor blocks	(6/)	--	W	--	--	(6/)	--	W	--	--
Other iron scrap	W	10	--	W	--	W	130	W	25	W
Other mixed scrap	W	1	W	W	W	110	22	W	W	560
Total	480	1,500	330	920	310	4,800	15,000	3,400	9,900	3,400

p/ Preliminary. W Withheld to avoid disclosing company proprietary data; included in "Total."

1/ Scrap received from brokers, dealers, and other outside sources.

2/ A breakout of the States within each region is provided in Table 3.

3/ Includes manufacturers of raw steel that also produce steel castings.

4/ Data are rounded to two significant digits; may not add to totals shown.

5/ May include revisions to previous months' data.

6/ Less than 1/2 unit.

TABLE 5
CONSUMPTION OF IRON AND STEEL SCRAP BY REGION AND GRADE, FOR STEEL PRODUCERS 1/ 2/ 3/

(Thousand metric tons)

Item	November 1999					Year to date p/ 4/				
	Mid-Atlantic and New England	North Central	South Atlantic	South Central	Mountain and Pacific	Mid-Atlantic and New England	North Central	South Atlantic	South Central	Mountain and Pacific
Carbon steel:										
Low-phosphorus plate and punchings	13	16	W	W	--	140	110	W	W	--
Cut structural and plate	63	120	72	61	28	670	1,400	730	650	340
No. 1 heavy melting steel	98	340	61	210	82	1,000	3,800	630	2,300	840
No. 2 heavy melting steel	23	130	53	160	61	220	1,500	570	1,800	670
No. 1 and electric furnace bundles	58	440	30	64	15	470	4,800	320	590	120
No. 2 and all other bundles	9	33	5	24	9	100	330	41	270	110
Electric furnace 1 foot and under (not bundles)	--	3	--	W	--	--	30	--	W	--
Railroad rails	W	W	(5/)	W	W	W	W	4	44	W
Turnings and borings	37	36	32	68	7	390	440	310	700	79
Slag scrap	27	93	17	38	W	250	1,100	180	350	W
Shredded and fragmentized	82	250	90	300	93	880	2,500	910	3,100	1,000
No. 1 busheling	79	180	28	100	13	840	2,000	260	1,100	140
Steel cans (Post consumer)	W	9	W	2	(5/)	W	W	W	W	W
All other carbon steel scrap	53	240	19	69	11	610	2,800	200	650	100
Stainless steel scrap	99	W	--	--	--	870	150	--	--	--
Alloy steel scrap	15	44	--	W	--	190	500	--	W	--
Ingot mold and stool scrap	W	2	--	W	W	W	15	--	7	W
Machinery and cupola cast iron	--	5	--	W	--	W	W	--	W	--
Cast iron borings	W	W	W	9	--	W	W	W	90	--
Motor blocks	(5/)	--	W	--	--	(5/)	--	W	--	--
Other iron scrap	17	45	W	4	W	220	450	W	59	W
Other mixed scrap	10	27	W	9	W	150	240	W	130	550
Total	690	2,100	420	1,100	370	7,300	22,000	4,300	12,000	4,100

p/ Preliminary. W Withheld to avoid disclosing company proprietary data; included in "Total."

1/ Data are rounded to two significant digits; may not add to totals shown.

2/ A breakout of the States within each region is provided in Table 3.

3/ Includes manufacturers of raw steel that also produce steel castings.

4/ May include revisions to previous months' data.

5/ Less than 1/2 unit.

TABLE 6
U.S. EXPORTS OF IRON AND STEEL SCRAP BY SELECTED REGION AND COUNTRY 1/ 2/

(Thousand metric tons and thousand dollars)

Region and country	October 1999		Year to date	
	Quantity	Value	Quantity	Value
North America and South America:				
Canada	129	14,700	1,420	151,000
Mexico	58	5,990	669	67,700
Venezuela	23	1,850	23	1,940
Other	1	268	14	2,820
Total	212	22,900	2,120	224,000
Africa, Europe, Middle East:				
Belgium	1	650	2	1,190
Italy	--	--	4	1,670
South Africa	2	1,430	13	8,380
Spain	--	--	28	11,900
Other	7	3,020	36	12,100
Total	10	5,090	83	35,300
Asia, Australia, Oceania:				
Australia	(3/)	86	(3/)	258
China	55	11,000	334	75,400
Hong Kong	4	1,630	38	9,670
India	1	675	13	4,480
Japan	6	3,930	69	13,800
Korea, Republic of	123	15,500	1,620	177,000
Malaysia	--	--	45	4,310
Pakistan	--	--	1	369
Taiwan	8	3,890	205	35,600
Thailand	(3/)	39	57	6,450
Other	1	277	22	9,800
Total	199	37,000	2,400	337,000
Grand total	421	65,000	4,610	596,000

1/ Includes tinplate and terneplate; excludes used rails for rerolling and other uses and ships, boats and other vessels for scrapping. Export valuation is on a "free alongside ship" (f.a.s.) basis.

2/ Data are rounded to three significant digits; may not add to totals shown.

3/ Less than 1/2 unit.

Source: Bureau of the Census.

TABLE 7
U.S. EXPORTS OF IRON AND STEEL SCRAP BY REGION AND
SELECTED CUSTOMS DISTRICT 1/ 2/ 3/

(Thousand metric tons and thousand dollars)

Region and customs district	October 1999		Year to date	
	Quantity	Value	Quantity	Value
Canadian-U.S. Border:				
Buffalo, NY	13	2,380	124	22,700
Detroit, MI	15	2,110	364	41,000
Duluth, MN	(4/)	11	3	288
Pembina, ND	36	3,600	308	27,000
Other 5/	60	5,840	511	47,800
Total	124	13,900	1,310	139,000
East Coast:				
Boston, MA	13	948	269	25,500
Miami, FL	(4/)	234	27	4,590
New York, NY	33	6,710	334	53,800
Norfolk, VA	2	556	78	11,000
Portland, ME	22	2,210	77	7,640
Other	9	2,390	166	23,300
Total	79	13,000	951	126,000
Gulf Coast & Mexican-U.S. Border (includes Caribbean territories):				
Houston-Galveston, TX	7	3,710	36	20,500
Laredo, TX	16	1,980	167	18,800
New Orleans, LA	2	1,220	9	5,460
Tampa, FL	--	--	2	415
Other	10	3,930	47	18,800
Total	35	10,800	261	63,900
West Coast:				
Anchorage, AK	--	--	(5/)	72
Columbia-Snake	3	1,030	44	7,610
Honolulu, HI	(5/)	160	44	4,790
Los Angeles, CA	96	15,100	971	128,000
San Diego, CA	17	1,620	160	16,300
San Francisco, CA	30	4,700	631	77,400
Seattle, WA	36	4,590	238	33,500
Total	182	27,200	2,090	268,000
Grand total	421	65,000	4,610	596,000

1/ Re-export activity for October 1999 amounted to 199 metric tons valued at \$82,000; year to date amounted to 2,390 metric tons valued at \$991,000.

2/ Includes tinplate and terneplate; excludes used rails for rerolling and other uses and ships, boats and other vessels for scrapping. Export valuation is on a "free alongside ship" (f.a.s.) basis.

3/ Data are rounded to three significant digits; may not add to totals shown.

4/ Less than 1/2 unit.

5/ Includes Code 70, which is for low-valued exports from the United States to Canada.

Source: Bureau of the Census.

TABLE 8
U.S. EXPORTS OF IRON AND STEEL SCRAP AND OTHER FERROUS PRODUCTS BY GRADE 1/ 2/

(Thousand metric tons and thousand dollars)

Item	October 1999		Year to date	
	Quantity	Value	Quantity	Value
No. 1 heavy melting steel	57	4,710	845	69,700
No. 2 heavy melting steel	16	1,360	167	12,600
No. 1 bundles	14	1,230	42	3,800
No. 2 bundles	2	109	32	2,180
Shredded steel scrap	67	6,350	995	92,300
Borings, shovelings and turnings	16	1,030	177	11,100
Cut plate and structural	21	1,920	240	24,100
Tinned iron or steel	3	997	73	17,200
Remelting scrap ingots	(3/)	23	2	541
Cast iron	50	6,210	588	70,400
Other iron and steel	94	10,600	781	83,600
Total carbon steel and cast iron	340	34,600	3,940	388,000
Stainless steel	31	19,500	213	118,000
Other alloy steel	50	10,900	458	90,700
Total stainless and alloy steel	80	30,400	671	209,000
Total carbon, stainless, alloy steel and cast iron	421	65,000	4,610	596,000
Ships, boats, and other vessels for breaking up (for scrapping)	(3/)	4	6	2,600
Used rails for rerolling and other uses	3	1,750	26	11,800
Total scrap exports	424	66,700	4,640	611,000
Exports of manufactured ferrous products:				
Pig iron < or = 0.5% phosphorus	5	827	61	8,550
Pig iron > 0.5% phosphorus	--	--	1	94
Alloy pig iron	(3/)	11	10	1,230
Total pig iron	5	838	72	9,870
Direct-reduced iron (DRI)	--	--	3	270
Spongy iron products, not DRI	(3/)	184	5	2,190
Granules for abrasive cleaning and other uses	3	1,930	22	14,800
Powders of alloy steel	(3/)	718	4	12,000
Other ferrous powders	3	4,650	23	64,800
Total DRI, granules and powders	6	7,490	57	94,000
Grand total	435	75,000	4,770	714,000

1/ Export valuation is on a "free alongside ship" (f.a.s.) basis.

2/ Data are rounded to three significant digits; may not add to totals shown.

3/ Less than 1/2 unit.

Source: Bureau of the Census.

TABLE 9
U.S. IMPORTS FOR CONSUMPTION OF IRON AND STEEL SCRAP 1/ 2/
BY SELECTED COUNTRY

(Thousand metric tons and thousand dollars)

Country	October 1999		Year to date	
	Quantity	Value	Quantity	Value
Canada	199	17,900	1,450	141,000
Mexico	4	2,430	46	21,700
Netherlands	50	4,850	153	14,600
Russia	18	1,260	36	2,240
United Kingdom	85	8,370	661	65,400
Other	10	1,670	287	30,700
Total	366	36,500	2,640	276,000

1/ Includes tinplate and terneplate; excludes used rails for rerolling and other uses and ships, boats and other vessels for scrapping. Import valuation is on a customs basis.

2/ Data are rounded to three significant digits; may not add to totals shown.

Source: Bureau of the Census.

TABLE 10
U.S. IMPORTS FOR CONSUMPTION OF IRON AND STEEL SCRAP 1/ 2/
BY SELECTED CUSTOMS DISTRICT

(Thousand metric tons and thousand dollars)

Customs district	October 1999		Year to date	
	Quantity	Value	Quantity	Value
Buffalo, NY	15	2,430	155	22,300
Charleston, SC	19	1,770	56	5,220
Chicago, IL	58	3,440	104	9,050
Cleveland, OH	2	162	26	1,540
Detroit, MI	96	9,420	916	86,800
Laredo, TX	3	1,910	30	13,800
New Orleans, LA	137	12,900	1,030	97,800
Ogdensburg, NY	3	460	13	2,180
Port Arthur, TX	1	84	2	97
Seattle, WA	28	2,310	218	16,700
Other	3	1,570	88	20,600
Total	366	36,500	2,640	276,000

1/ Includes tinplate and terneplate; excludes used rails for rerolling and other uses and ships, boats and other vessels for scrapping. Import valuation is on a customs basis.

2/ Data are rounded to three significant digits; may not add to totals shown.

Source: Bureau of the Census.

TABLE 11
U.S. IMPORTS OF IRON AND STEEL SCRAP AND OTHER
FERROUS PRODUCTS BY GRADE 1/ 2/

(Thousand metric tons and thousand dollars)

Item	October 1999		Year to date	
	Quantity	Value	Quantity	Value
No. 1 heavy melting steel	1	65	23	1,840
No. 2 heavy melting steel	(3/)	18	4	355
No. 1 bundles	12	1,280	189	17,800
No. 2 bundles	(3/)	12	1	72
Shredded steel scrap	85	8,570	728	69,500
Borings, shovelings and turnings	24	371	124	9,550
Cut plate and structural	24	2,280	44	4,410
Tinned iron or steel	1	51	57	5,200
Remelting scrap ingots	(3/)	109	5	1,840
Cast iron	39	2,910	261	21,100
Other iron and steel	137	13,600	986	101,000
Total carbon steel and cast iron	322	29,300	2,420	233,000
Stainless steel	4	2,580	34	17,700
Other alloy steel	39	4,610	182	25,900
Total stainless and alloy steel	43	7,190	216	43,600
Total carbon, stainless, alloy steel and cast iron	366	36,500	2,640	276,000
Ships, boats, and other vessels for breaking up (for scrapping)	--	--	(3/)	189
Used rails for rerolling and other uses	21	2,260	312	39,700
Total scrap imports	387	38,700	2,950	316,000
Imports of manufactured ferrous products:				
Pig iron < or = 0.5% phosphorus	567	64,100	3,790	388,000
Pig iron > 0.5% phosphorus	12	1,320	125	14,100
Alloy pig iron	(3/)	5	58	6,230
Total pig iron	579	65,500	3,970	408,000
Direct-reduced iron (DRI)	98	9,280	897	81,700
Spongy iron products, not DRI	27	3,240	233	25,000
Granules for abrasive cleaning and other uses	2	1,230	25	12,400
Powders of alloy steel	3	3,950	28	39,300
Other ferrous powders	6	7,400	65	71,200
Total DRI, granules and powders	136	25,100	1,250	230,000
Grand total	1,100	129,000	8,170	954,000

1/ Import valuation is on a customs basis.

2/ Data are rounded to three significant digits; may not add to totals shown.

3/ Less than 1/2 unit.

Source: Bureau of the Census.

TABLE 12
U.S. RAW STEEL PRODUCTION, RAW STEEL CAPABILITY UTILIZATION,
AND CONTINUOUS CAST STEEL PRODUCTION

Period	Raw steel production, thousand metric tons 1/		Raw steel capability utilization, percent		Continuous cast steel production, percent	
	Monthly	Year to date	Monthly	Year to date	Monthly	Year to date
1998:						
November	6,990	90,400	74.4%	87.0%	95.1%	95.2%
December	7,270	97,700	74.8%	85.9%	95.6%	95.2%
1999:						
January	7,640	7,640	77.2%	77.2%	95.4%	95.4%
February	7,110	14,900	79.5%	78.8%	95.0%	95.2%
March	8,030	22,600	81.1%	78.7%	95.1%	95.1%
April	7,840	30,800	81.8%	80.3%	95.4%	95.2%
May	8,090	38,900	81.7%	80.6%	95.3%	95.2%
June	7,630	46,500	79.7%	80.4%	94.9%	95.2%
July	7,820	54,900	79.4%	81.1%	95.6%	95.3%
August	8,160	63,100	82.8%	81.5%	95.5%	95.3%
September	7,850	71,100	82.3%	81.6%	95.3%	95.4%
October	8,690	80,000	88.2%	82.6%	96.1%	95.5%
November	8,490	88,600	89.1%	83.3%	95.9%	95.5%

1/ Data are rounded to three significant digits.

Source: American Iron and Steel Institute.

TABLE 13
COMPOSITE PRICES FOR NO. 1 HEAVY MELTING STEEL SCRAP AND PIG IRON

Period	American Metal Market No. 1 HMS		Iron Age No. 1 HMS		Iron Age Pig Iron	
	\$/t	\$/t	\$/t	\$/t	\$/t	\$/t
1998:						
January	138.07	135.89	132.92	130.82	180.88	178.02
February	132.13	130.04	126.71	124.71	180.88	178.02
March	125.33	123.35	120.17	118.27	180.88	178.02
April	124.00	122.04	118.79	116.91	179.48	176.65
May	124.53	122.56	119.99	118.09	175.28	172.51
June	122.76	120.82	118.70	116.83	175.68	172.91
July	118.67	116.80	114.58	112.77	171.92	169.20
August	108.09	106.38	104.53	102.88	171.92	169.20
September	97.93	96.38	93.42	91.94	167.44	164.80
October	82.32	81.02	77.59	76.36	154.00	151.57
November	73.86	72.69	70.33	69.22	151.31	148.92
December	72.73	71.58	71.17	70.05	140.56	138.34
Average	110.04	108.30	105.74	104.07	169.19	166.51
1999:						
January	83.88	82.56	83.17	81.86	140.56	138.34
February	94.50	93.01	91.79	90.34	140.56	138.34
March	84.60	83.26	80.34	79.07	135.86	133.71
April	84.50	83.17	80.42	79.15	132.72	130.62
May	91.31	89.87	88.34	86.94	135.52	133.38
June	93.89	92.41	91.63	90.18	138.77	136.58
July	92.83	91.36	89.50	88.09	140.56	138.34
August	99.10	97.53	94.80	93.30	141.90	139.66
September	99.67	98.10	96.21	94.69	142.80	140.54
October	99.67	98.10	96.13	94.61	146.16	143.85
November	107.37	105.67	103.80	102.16	149.52	147.16
Average	93.76	92.28	90.56	89.13	140.45	138.23

Note: Long tons = 1t; metric tons = t.